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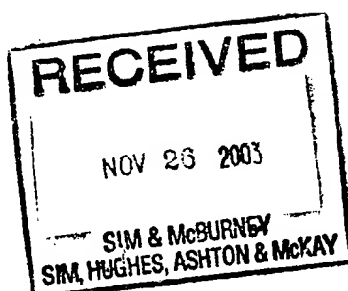
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SIM & MCBURNEY
6th Floor
330 University Avenue
TORONTO Ontario
M5G 1R7



Application No. : **2,377,865**
Owner : **NOKIA MOBILE PHONES LIMITED**
Title : **VIDEO CODING**
Classification : **H04N-7/64**
Your File No. : **7950-29 SJP:dd**
Examiner : **Terry Cartile, P.Eng.**

YOU ARE HEREBY NOTIFIED OF A REQUISITION BY THE EXAMINER IN ACCORDANCE WITH SUBSECTION 30(2) OF THE PATENT RULES. IN ORDER TO AVOID ABANDONMENT UNDER PARAGRAPH 73(1)(A) OF THE PATENT ACT, A WRITTEN REPLY MUST BE RECEIVED WITHIN 6 MONTHS AFTER THE ABOVE DATE.

This application has been examined taking into account applicant's correspondence dated January 20, 2003 and May 27, 2003.

The number of claims in this application is 17.

A search of the prior art has revealed the following :

Reference applied

<i>Canadian Patent</i>			
2,306,971	6 January 1994	H04N-7/50	SIRACUSA et al.
<i>EP Patent</i>			
844,792	27 May 1998	H04N-7/50	ZDEPSKI et al.

SIRACUSA et al. teach a transmission system for compressed digital video data, which includes a transport processor for segmenting compressed data into transport cells for transmission. Particular portions of the compressed data are formatted into further auxiliary transport cells, which are interspersed with normally occurring transport cells. The further transport cells include redundant video signal data which may be used to resynchronize a compressed video signal decoder after loss or corruption of transmitted data. As illustrated in

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figure 2, the further transport cells contain redundant data comprised of MPEG header data and other auxiliary data used by the system.

ZDEPSKI et al. teach a digital compressed MPEG-like video signal transmission system, which comprises layered video data having headers containing descriptive headers. The system includes a transport processor for segmenting compressed data into transport cells for transmission. Particular portions of the compressed data are formatted into further transport cells, which are then interspersed with normally occurring transport cells. The further transport cells include redundant video signal data which may be used to resynchronize a compressed video signal decoder after loss or corruption of transmitted data.

Obviousness

Claims 1-17 do not comply with Section 28.3 of the Patent Act, because the subject matter of these claims would have been obvious on the claim date, to a person skilled in the art, in view of either SIRACUSA et al. or of ZDEPSKI et al.

Independent claims 1, 7, and 13-17 define a means for coding or decoding video data. The encoder copies selected header data from the video data stream, and constructs redundant data segments from the selected header data, which the encoder includes in the encoded output data stream. The decoder detects header data in the incoming encoded data stream, stores this data in a temporary buffer, and then searches for repeated header segments, which are used to reconstruct the data stream if an error occurs.

The digital video transmission system in both SIRACUSA et al. and ZDEPSKI et al. also generates additional redundant data packets from header data of incoming digital video, and includes the redundant data in the encoded output encoded video bitstream, whereby the redundant header data is used in the decoder to reconstruct the incoming encoded video bitstream if errors are detected. Therefore, both SIRACUSA et al. and ZDEPSKI et al. contain all of the elements of claims 1, 7, and 13-17. Claims 2-6 and 9-12 do not add any subject matter distinguishable over SIRACUSA et al. or ZDEPSKI et al.

Although claim 8 adds the selection of adding repeated code segments only for Intraframe coded frames, and SIRACUSA et al. or ZDEPSKI et al. do not specifically include this feature, a technician of ordinary skill in the art would know that the most critical encoded video data is present in I frames, so it would be a logical step to limit repeated data to data encoded from I frames only.

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Claim dependencies

Claim 5 does not comply with Subsection 87(1) of the Patent Rules. Reference to preceding claims must be made by number.

Title

Paragraph 80(1)(a) of the Patent Rules requires that the title must be short and precise. "*Video Coding Using Repeated Header Data*" is a suitable title.

In view of the foregoing defects, the applicant is requisitioned, under Subsection 30(2) of the Patent Rules, to amend the application in order to comply with the Patent Act and the Patent Rules or to provide arguments as to why the application does comply.

Terry Cartile, P.Eng.
Patent Examiner - Section E2
(819) 997-2951
2377865A.tcc